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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/705,302	11/10/2003	Wen Chang Wang	PUSA031020 (15749/443)	4413
23595	7590	03/29/2005	EXAMINER	
NIKOLAI & MERSEREAU, P.A. 900 SECOND AVENUE SOUTH SUITE 820 MINNEAPOLIS, MN 55402			BUGG, GEORGE A	
			ART UNIT	PAPER NUMBER
			2636	

DATE MAILED: 03/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/705,302

Applicant(s)

WANG, WEN CHANG

Examiner

George A Bugg

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 November 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☒ Claim(s) 9 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 November 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent No. 6,144,917 to Walters et al.

3. With respect to claim 1, Applicant claims a velocity detector, with a GPS receiver, having an output. In column 5, lines 4-6, Walters discloses a GPS receiver, depicted as element 62 of Figure 4, acquiring GPS signals, and outputting them to a processor, shown as element 60 of Figure 4, for calculating a vehicles current location and velocity. As explained further in column 5, lines 22-42, velocities are calculated and processed by processor 60, stored in memory 70, and later retrieved by the processor. These system components, (processor 60 and memory 70) and their functionalities are considered to be a velocity record arrangement, and are shown connected to the output of the GPS receiver, in Figure 4. Furthermore, the processor is associated with a memory, and has an output, depicted as data lines 68, 72, 76, and 80. Regarding a velocity signal input device, as stated above, the reference teaches that the GPS receiver 62 acquires GPS signals, which are used to determine vehicle velocity, and therefore velocity signal information is being input to the GPS receiver via satellite(s) 12,

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of Figure 1. As for the claimed warning device, Walters shows a display screen (element 36 of Figure 4) connected to the output of the processor, and discloses in column 4, lines 37-52, that the display is capable of displaying both text and graphical information. While the reference does not specifically state that the display screen is to be used as a warning device, since it is capable of displaying text information, it would have been obvious to one of ordinary skill in the art to utilize the display screen as such, for the purpose of conveying warnings or alerts to a driver, to ensure operator safety, while utilizing system components already present, thereby reducing system cost and architecture.

4. As for claim 2, Figures 2 and 4 show the system components taught by Walters, including the GPS receiver, which are part of a portable navigation aid device, disclosed in column 4, lines 53-57, which may be mounted on a vehicle.

5. As for claim 3 and 4, the GPS receiver is continuously receiving velocity data via satellites. Variations in vehicle speed will be transmitted to the GPS receiver, output from the receiver to the processor.

6. With regard to claim 5, the output of the GPS receiver and the memory of the velocity record arrangement are coupled through the processor, and therefore velocity signals are stored from the output port of the receiver.

7. With regard to claim 6, Walters discloses, column 5, lines 51-57, a velocity threshold being preset.

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8. As for claims 7 and 8, warning devices, such as buzzers and lamps are well known in the art, and would easily be incorporated into the Walters system. (Official Notice)

Allowable Subject Matter

9. Claim 9 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to George A Bugg whose telephone number is (571) 272-2998. The examiner can normally be reached on Monday-Thursday 9:00-6:30, and every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeff Hofsass can be reached on (571) 272-2981. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

George A Bugg
Examiner
Art Unit 2636

March 16, 2005



JEFFERY HOFSAAS
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600